

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Canceled)

2. (Previously Presented) The system of claim 31, wherein the different IP enabled devices includes an IP telephone, and the access provider network further comprises a telephone network gateway.

3. (Previously Presented) The system of claim 31, wherein the different IP enabled devices include a personal computer.

4. (Previously Presented) The system of claim 31, wherein the different IP enabled devices include an IP enabled appliance.

5. (Previously Presented) The system of claim 31, wherein the access provider network further comprises a user network management system.

6. (Previously Presented) The system of claim 31, wherein the access provider network further comprises a streaming media server.

7. (Previously Presented) The system of claim 31, wherein the access provider network further comprises a broadband access interface.

8. (Previously Presented) The system of claim 31, wherein the plurality of different IP enabled devices reside on a local area network (LAN) in communication with the access device.

9. (Previously Presented) The system of claim 8, wherein the access device utilizes Network Address Translation (NAT) protocol to provide the second IP address.

10. (Previously Presented) The system of claim 31, wherein the access provider network further comprises a Dynamic Host Configuration Protocol (DHCP) server.

11. (Previously Presented) The system of claim 31, wherein the access provider network further comprises a Remote Authentication Dial In User Service (RADIUS) server.

Claims 12-13 (Canceled)

14. (Previously Presented) The method of claim 27, wherein the step of assigning the second IP address is accomplished using Network Address Translation (NAT) protocol.

Claims 15-26 (Canceled)

27. (Currently Amended) A method for providing Internet Protocol (IP) services from different Internet Service Providers (ISPs) to a plurality of different IP enabled devices via an access provider network, the method comprising the steps of:
connecting said plurality of different IP enabled devices to said access provider network via an access device;

assigning a first IP address from said access provider network to said access device;

establishing, by said access device, a service session with one of said plurality of different ISPs by assigning a second IP address from said one of said plurality of different ISPs to said access device;

receiving, by said access device, IP traffic from one of said different IP enabled devices;

determining whether a destination IP address associated with said IP traffic is associated with said access provider network;

forwarding, if said destination IP address is not associated with said access provider network, said IP traffic to said one of said plurality of different ISPs using said second IP address as a source address of said IP traffic; and

otherwise, if said destination IP address is associated with said access provider network, forwarding said IP traffic to said access provider network using said first IP address as said source address of said IP traffic;

receiving, by said access device, additional IP traffic from one of said different ISPs;

determining, by said access device, which one of said plurality of different IP enabled devices is an intended recipient of said additional IP traffic; and

forwarding said additional IP traffic to said one of said plurality of different IP enabled devices;

wherein said step of determining, by said access device, which one of said plurality of different IP enabled devices is an intended recipient of said additional IP traffic further comprises the step of:

consulting a mapping table which maps said one of said plurality of different IP enabled devices to said one of said different ISPs based on previously exchanged IP traffic.

Claims 28-30 (Canceled)

31. (Currently Amended) A system for providing Internet Protocol (IP) services from different Internet Service Providers (ISPs) to a plurality of different IP enabled devices via an access provider network, the system comprising:

- a plurality of different IP enabled devices;
- an access provider network connected to said different ISPs; and
- an access device which connects said different IP enabled devices to said access provider network;

- wherein said access provider network assigns a first IP address to said access device;

- wherein said access device establishes a service session with one of said plurality of different ISPs by assigning a second IP address from said one of said plurality of different ISPs to said access device;

- wherein when said access device receives IP traffic from one of said different IP enabled devices, said access device determines whether a destination IP address associated with said IP traffic is associated with said access provider network;

- wherein said access device forwards, if said destination IP address is not associated with said access provider network, said IP traffic to said one of said plurality of different ISPs using said second IP address as a source address of said IP traffic; and

- wherein said access device otherwise, if said destination IP address is associated with said access provider network, forwards said IP traffic to said access provider network using said first IP address as said source address of said IP traffic;

- wherein said access device receives additional IP traffic from one of said different ISPs;

- wherein said access device determines which one of said plurality of different IP enabled devices is an intended recipient of said additional IP traffic by consulting a

mapping table which maps said one of said plurality of different IP enabled devices to said one of said different ISPs based on previously exchanged traffic; and
wherein said additional IP traffic is forwarded to said one of said plurality of different IP enabled devices.

32. (New) The method of claim 27, wherein the different IP enabled devices includes an IP telephone, and the access provider network further comprises a telephone network gateway.

33. (New) The method of claim 27, wherein the different IP enabled devices include a personal computer.

34. (New) The method of claim 27, wherein the different IP enabled devices include an IP enabled appliance.

35. (New) The method of claim 27, wherein the access provider network further comprises a user network management system.

36. (New) The method of claim 27, wherein the access provider network further comprises a streaming media server.

37. (New) The method of claim 27, wherein the access provider network further comprises a broadband access interface.

38. (New) The method of claim 27, wherein the plurality of different IP enabled devices reside on a local area network (LAN) in communication with the access device.

39. (New) The method of claim 27, wherein the access device utilizes Network Address Translation (NAT) protocol to provide the second IP address.

40. (New) The method of claim 27, wherein the access provider network further comprises a Dynamic Host Configuration Protocol (DHCP) server.

41. (New) The method of claim 27, wherein the access provider network further comprises a Remote Authentication Dial In User Service (RADIUS) server.